

NCBI Sequence Viewer

Exhibit 1

The image shows the NCBI Nucleotide sequence viewer interface. At the top, there's a search bar with 'Nucleotide' selected. Below it, there are tabs for 'PubMed', 'Nucleotide', 'Protein', 'Genome', 'Structure', 'PopSet', 'Taxonomy', 'OMIM', and 'Bio'. The 'Nucleotide' tab is active, showing a DNA sequence: 'CGCTCAGGATG...'. Below the sequence, there are buttons for 'Search', 'Nucleotide', 'Protein', 'Genome', 'Structure', 'PopSet', 'Taxonomy', 'OMIM', and 'Bio'. There are also buttons for 'default', 'save', 'text', 'Add to clipboard', 'History', 'Clipboard', and 'Data'. The interface is cluttered with various icons and text.

☐ 1: NM\_001400 Homo sapiens endo...  
[gi:13027635]

Related Sequences, OMIM, Protein, PubMed, Taxonomy,  
UniSTS, LinkOut

LOCUS NM\_001400 2753 bp mRNA linear PRI 16-FEB-2001  
DEFINITION Homo sapiens endothelial differentiation, sphingolipid  
G protein-coupled receptor, 1 (EDG1), mRNA.  
ACCESSION NM\_001400  
VERSION NM\_001400.2 GI:13027635  
KEYWORDS  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 2753)  
AUTHORS H.A.T. and Maciag, T.  
TITLE An abundant transcript induced in differentiating human endothelial  
cells encodes a polypeptide with structural similarities to  
G protein-coupled receptors  
J Biol. Chem. 265 (16), 9308-9313 (1990)  
JOURNAL MEDLINE 91264425  
REFERENCE 2 (bases 1 to 2753)  
AUTHORS A.S., Bleu, T., Huang, W., Hallmark, O.G., Coughlin, S.R. and  
Goetzl, E.J.  
TITLE Identification of cDNAs encoding two G protein-coupled receptors  
for lysosphingolipids  
FEBS Lett. 417 (3), 279-282 (1997)  
JOURNAL MEDLINE 91072391  
REFERENCE 3 (bases 1 to 2753)  
AUTHORS Lee, M.J., Van Brocklyn, J.R., Thangada, S., Liu, C.H., Hand, A.R.,  
Manzeleev, R., Spiegel, S. and Hla, T.  
TITLE Sphingosine-1-phosphate as a ligand for the G protein-coupled  
receptor EDG-1  
Science 279 (5356), 1552-1555 (1998)  
JOURNAL MEDLINE 91155258  
COMMENT REVIEWED REFSEQ: This record has been curated by NCBI staff. The  
reference sequence was derived from AF233365.1, M31210.1.  
On Feb 21, 2001 this sequence version replaced gi:4503454.  
Summary: The protein encoded by this gene is structurally similar  
to G protein-coupled receptors and is highly expressed in  
endothelial cells. It binds the ligand sphingosine-1-phosphate  
with high affinity and high specificity, and suggested to be  
involved in the processes that regulate the differentiation of  
endothelial cells. Activation of this receptor induces cell-cell  
adhesion.  
COMPLETENESS: complete on the 3' end.  
FEATURES  
source Location/Qualifiers  
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/db\_xref="taxon:9606"

## NCBI Sequence Viewer

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 61 ctt gcccctg cttgagcgag gctgcgggtt ccgaggccct ctccagccaa ggaaaaa ETA  
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initiation  
codonGoetzl  
Primer 1  
to EDG-1

## NCBI Sequence Viewer

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Revised: October 24, 2001.

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